



HTIRC-02-015

February 27, 2004

To: Commissioner for Patents
P.O.Box 1450
Alexandria, VA 22313-1450

Fr: George O. Saile, Reg. No. 19,572
28 Davis Avenue
Poughkeepsie, N.Y. 12603

Subject: | Serial No. 10/734,422 12/12/03 |
Jeiwei Chang et al.
CPP HEAD WITH PARASITIC SHUNTING
REDUCTION
| _____ |

INFORMATION DISCLOSURE STATEMENT

Enclosed is Form PTO-1449, Information Disclosure Citation
In An Application.

The following Patents and/or Publications are submitted to
comply with the duty of disclosure under CFR 1.97-1.99 and
37 CFR 1.56.

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being
deposited with the United States Postal Service as first class
mail in an envelope addressed to: Commissioner for Patents,
P.O. Box 1450, Alexandria, VA 22313-1450, on March 1, 2004.

Stephen B. Ackerman, Reg.# 37761

Signature/Date

Stephen B. Ackerman 3/1/04

Co-pending U.S. Patent HTIRC-02-014, "Method of Adjusting CoFe Free Layer Magnetostriction," to M. Li et al., Serial No. 10/718,373, filed 11/20/03, discusses the general field of CPP GMR read heads.


U.S. Patent 6,496,334 to Pang et al., "Data Storage and Retrieval Apparatus with Thin Film Read Head having Planarized Extra Gap and Shield Layers and Method of Fabrication Thereof," describes using IBE in etching the CPP stack.

U.S. Patent 6,294,101 to Silverbrook, "Method of Manufacture of a Thermoelastic Bend Actuator Ink Jet Printer," discloses IBE rotation during etching.

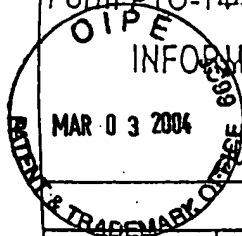
U.S. Patent 5,627,704 to Lederman et al., "Thin Film Giant Magnetoresistive CPP Transducer with Flux Guide Yoke Structure," discusses a giant magnetoresistive (GMR) thin film transducer which employs a pair of flux guide pole members that define a magnetic transducing gap.

U.S. Patent 5,668,688 to Dykes et al., "Current Perpendicular-to-the-plane Spin Valve Type Magnetoresistive Transducer," discusses a current perpendicular-to-the-plane (CPP) spin valve device design.

Sincerely,



Stephen B. Ackerman, Reg. #37761



INFORMATION DISCLOSURE CITATION IN AN APPLICATION

MAR 03 2004

(Use several sheets if necessary)

Document Number (Sequence)

HTIRC-02-015

Application Number

10/734,422

Applicant

Jeiwei Chang et al.

Filing Date

12/12/03

Group Art Unit

U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILED DATE & APPROXIMATE
	6496334	12/17/02	Pang et al.	360	319	5/26/00
	6294101	9/25/01	Silverbrook	216	27	7/10/98
	5627704	5/6/97	Lederman et al.	360	113	2/12/96
	5668688	9/16/97	Dykes et al.	360	113	5/24/96

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Portion of Pages, Etc.)

-	Co-pending U.S. Patent HTIRC-02-014, "Method of Adjusting CoFe Free Layer Magnetostriiction", to M. Li et al., Serial No. 10/718,373, filed 11/20/03.

EXAMINER

DATE CONSIDERED